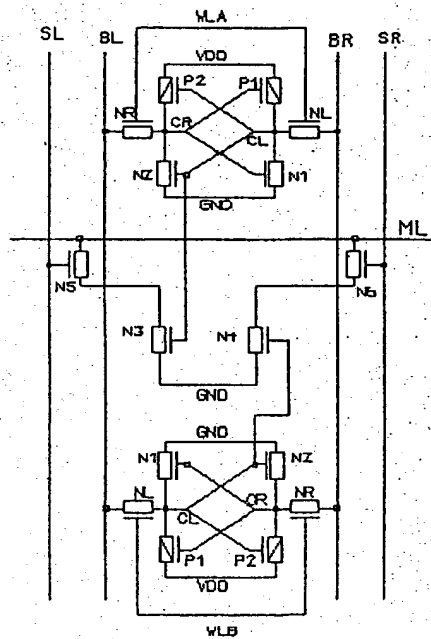


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Fig. 1A
CAM cell schematics
NFET passgate

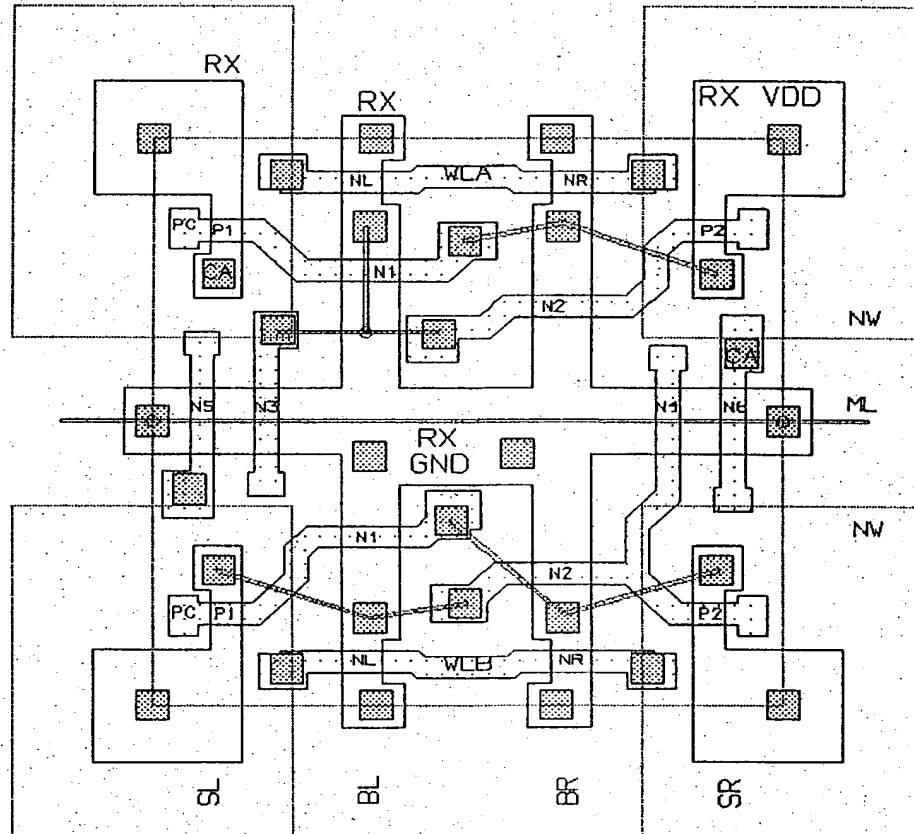
CELLA	CELLB	
0	0	DON'T CARE
0	1	ZERO
1	0	ONE
1	1	MATCH MISMATCH



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Fig. 1B

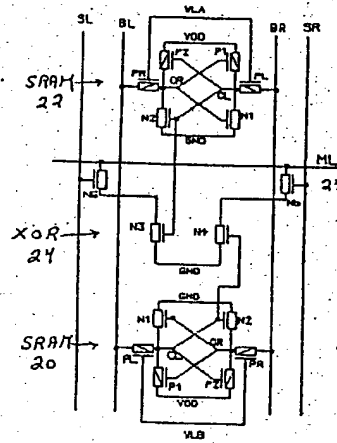
CAM Cell with NFET Passgates
3.1x3.1=9.61 0.13um Node



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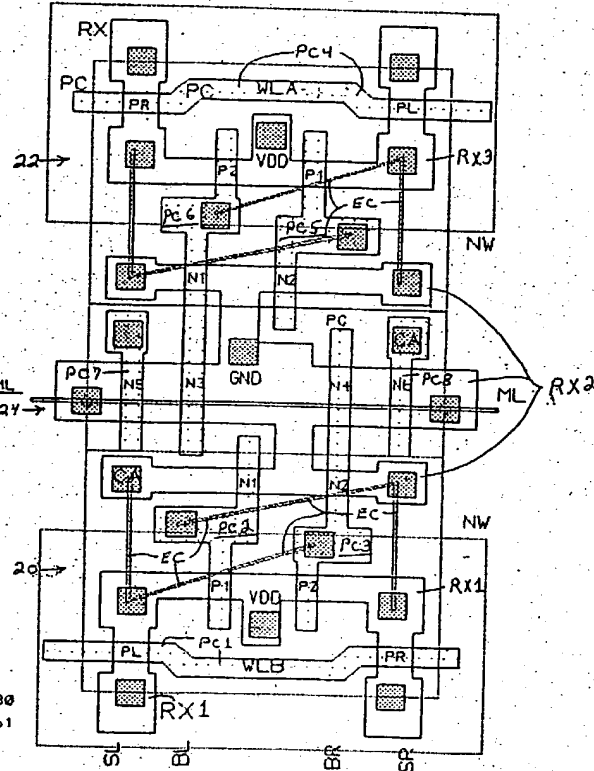
Fig. 2A
PFET passgate
CAM cell schematics

COLA	CELL
0	0 DON'T CARE
0	1 ZERO
1	0 ONE
1	1



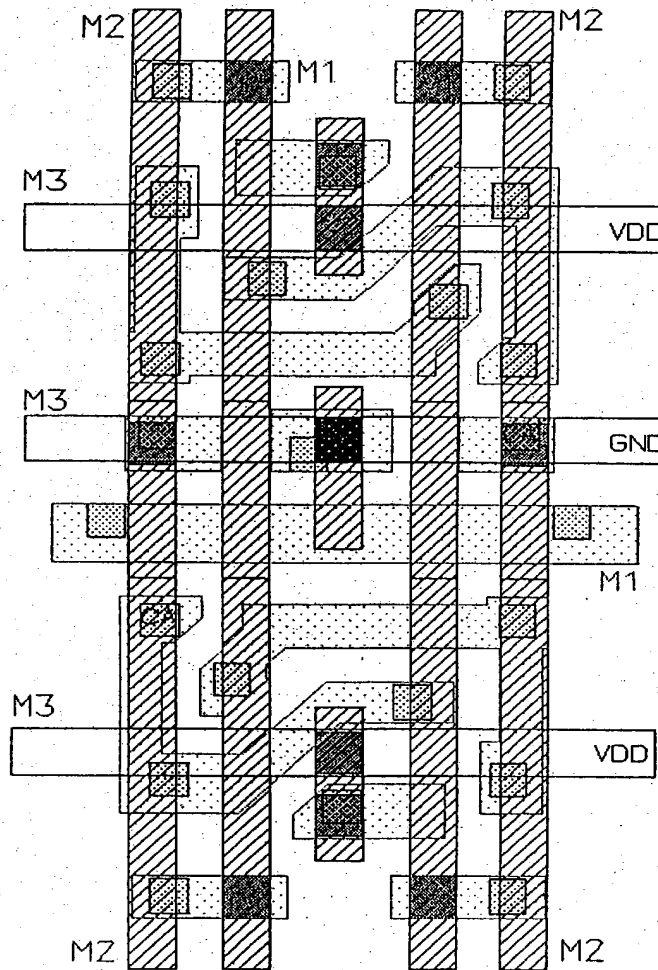
P-passgate CAM 2.0x3.9=7.80
N-passgate CAM 3.1x3.1=9.61

Fig. 2B
CAM Cell with PFET Passgates
2.0x3.9=7.8



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Fig. 2C
CAM Cell with PFET Passgates
Wiring: CA-M1-V1-M2-V2-M3



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Fig. 2D
CAM Cell with PFET Passgates
Dimensions @ 0.13 μ m node

